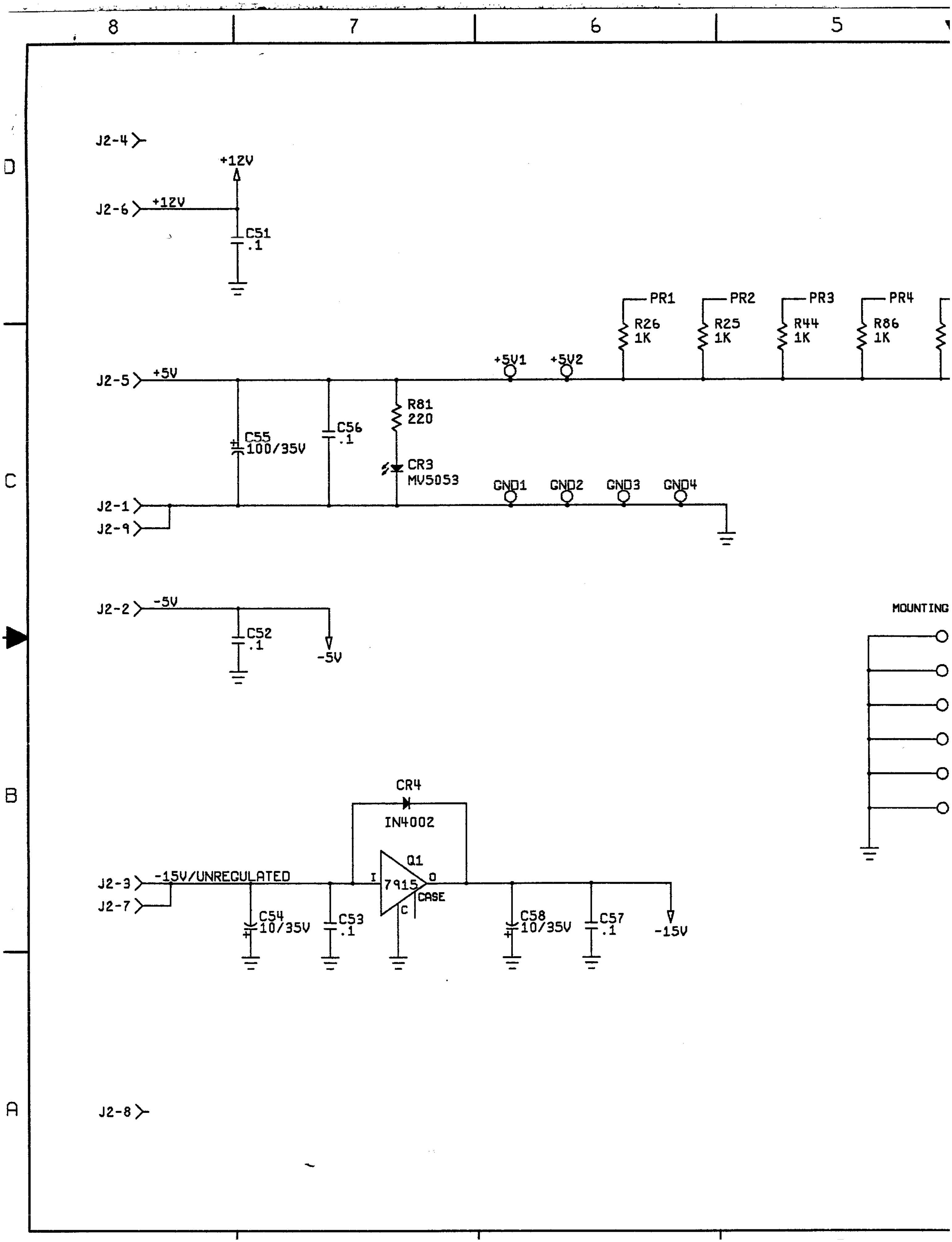
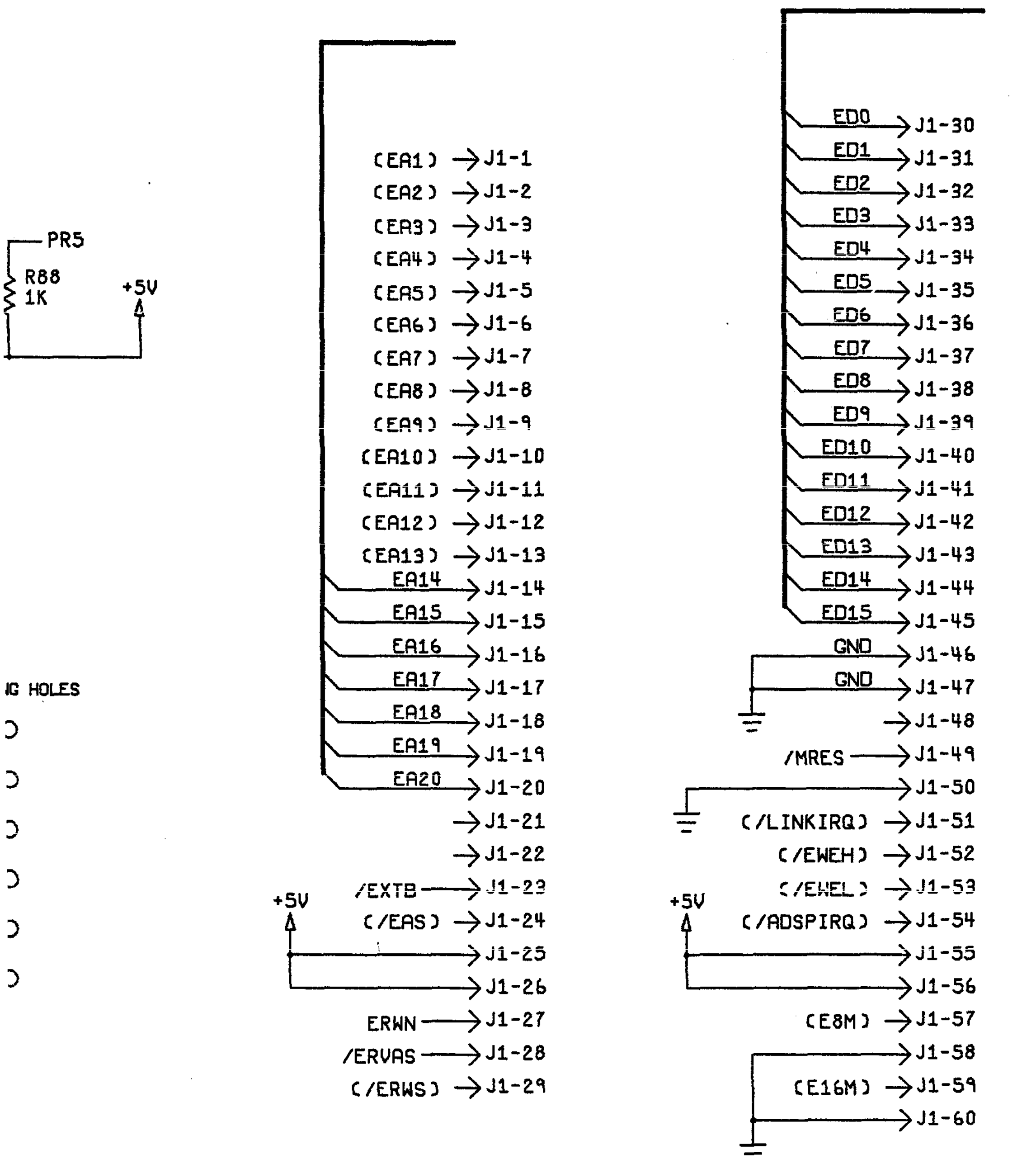

8
7
6
5
D
C
B
A
J2-4
+12V
J2-6
+12V
C51
.1
PR1
PR2
PR3
PR4
R26
1K
R25
1K
R44
1K
R86
1K
+5V1
+5V2
J2-5
+5V
R81
220
C56
.1
C55
100/35V
CR3
MV5053
GND1
GND2
GND3
GND4
J2-1
J2-9
J2-2
-5V
C52
.1
-5V
MOUNTING
CR4
IN4002
Q1
J2-3
-15V/UNREGULATED
J2-7
7915
I
O
C
CASE
C54
10/35V
C53
.1
C58
10/35V
C57
.1
-15V
J2-8

SYM	DESCRIPTION	DATE	INCORP	CHECK	APPROVED
A	PRODUCTION REL	6-30 1988	STAFF	G.J.	



NEXT ASSY	FIRST USED ON

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CHECKED BY		8-2-88
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PROJ ENGR		
MFG ENGR		8-3-88

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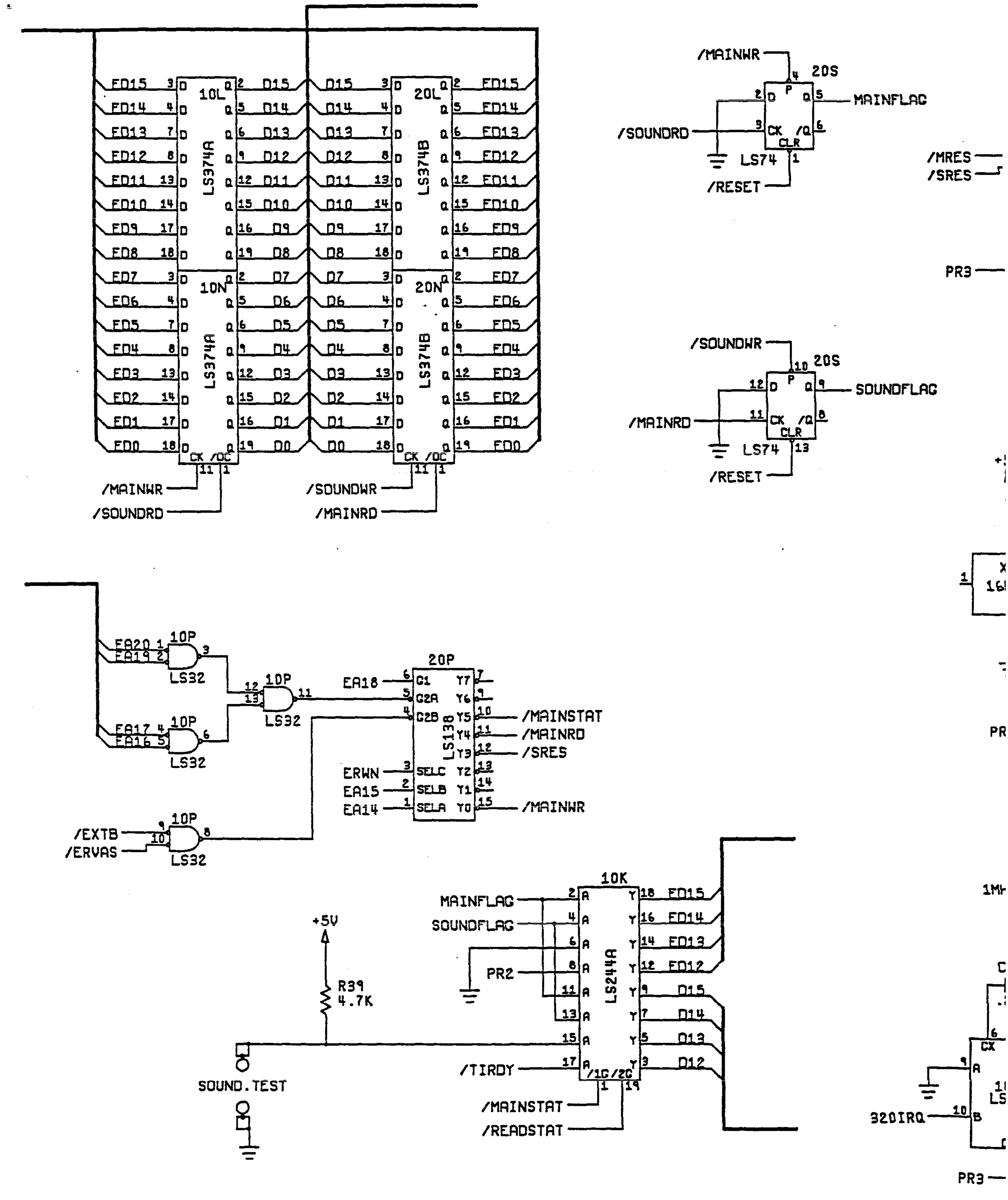
ATARI GAMES CORP.
675 SYCAMORE DRIVE
MILPITAS, CA. 95035

TITLE

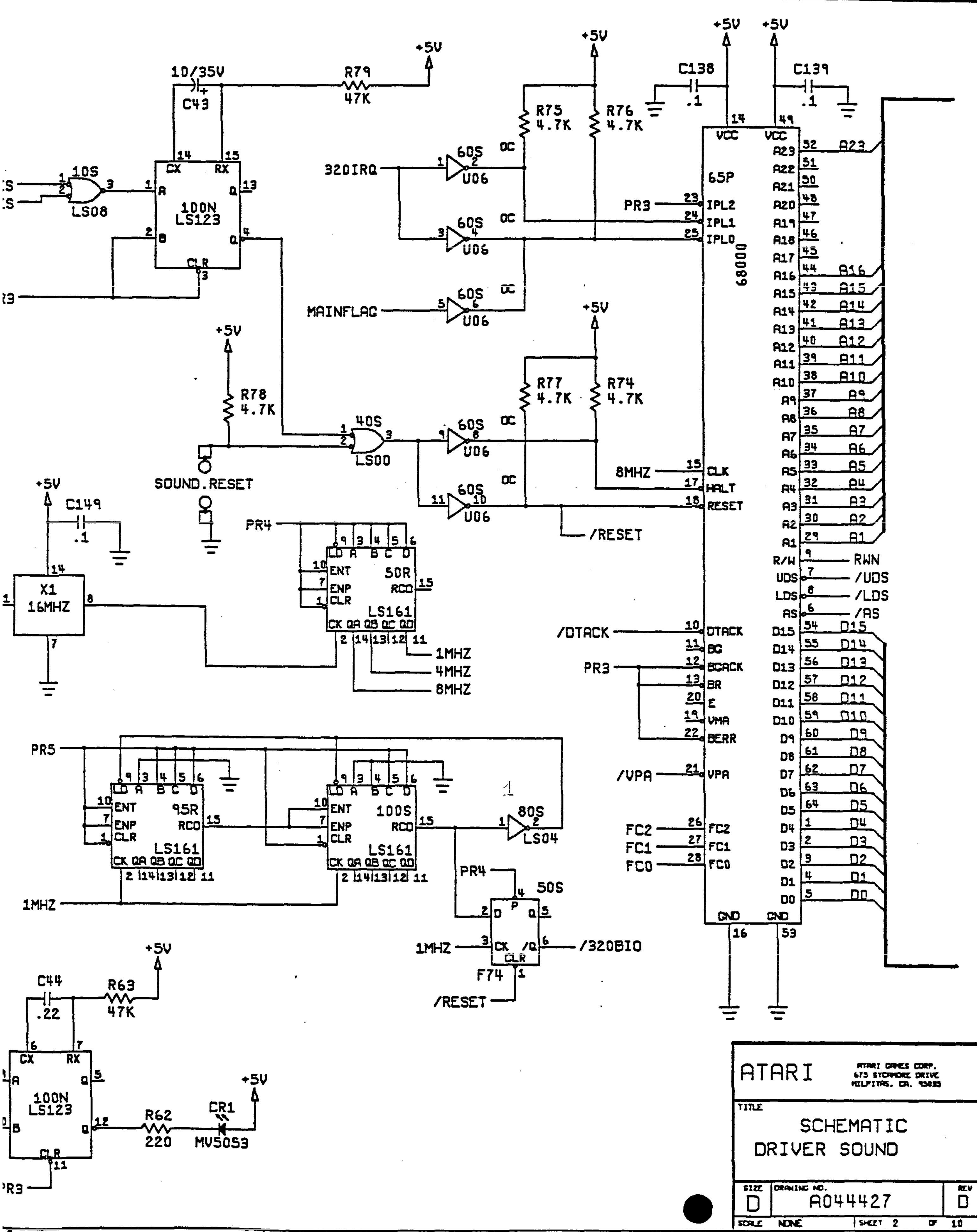
SCHEMATIC
DRIVER SOUND

SIZE	DRAWING NO.	REV
D	A044427	A

SCALE NONE SHEET 1 OF 10



10L
LS374A
20L
LS374B
10N
LS374A
20N
LS374B
FD15 FD14 FD13 FD12 FD11 FD10 FD9 FD8 FD7 FD6 FD5 FD4 FD3 FD2 FD1 FD0
D15 D14 D13 D12 D11 D10 D9 D8 D7 D6 D5 D4 D3 D2 D1 D0
CK /OC
/MAINWR
/SOUNDRD
/SOUNDWR
/MAINRD
20S
LS74
MAINFLAG
SOUNDFLAG
/RESET
/MRES
/SRES
PR3
10P
LS32
EA20
EA19
EA17
EA16
/EXTB
/ERVAS
20P
LS138
EA18
ERWN
EA15
EA14
/MAINSTAT
/MAINRD
/SRES
/MAINWR
10K
LS244A
MAINFLAG
SOUNDFLAG
PR2
/TIRDY
/MAINSTAT
/READSTAT
+5V
R39
4.7K
SOUND.TEST
320IRQ



ATARI

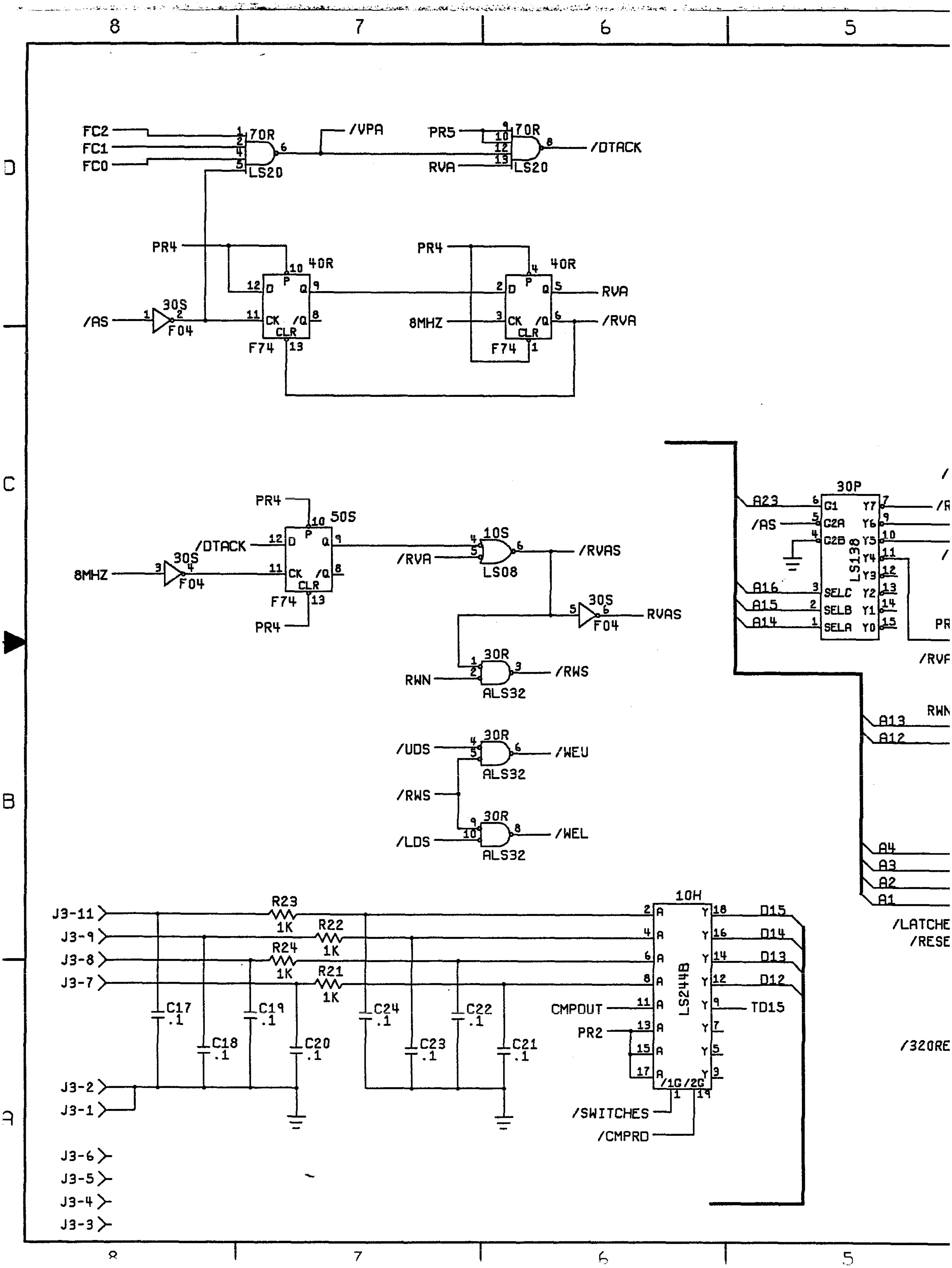
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675 SYCAMORE DRIVE
MILPITAS, CA. 95035

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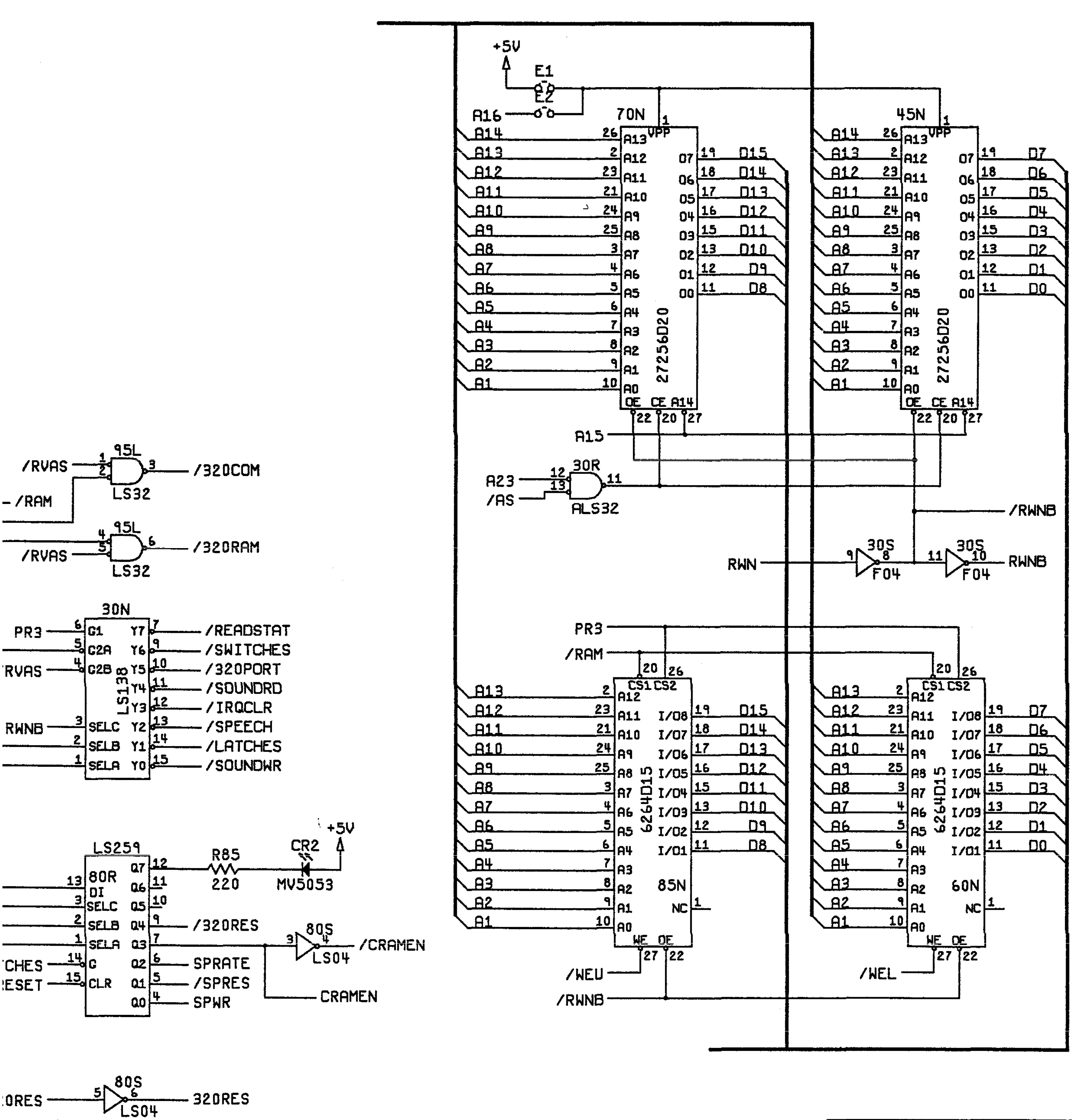
SCHEMATIC
DRIVER SOUND

SIZE	DRAWING NO.	REV
D	A044427	D

SCALE NONE | SHEET 2 OF 10



FC2
FC1
FC0
70R
LS20
/VPA
PR5
RVA
70R
LS20
/DTACK
PR4
40R
/AS
30S
F04
F74
PR4
40R
8MHZ
F74
RVA
/RVA
PR4
50S
/DTACK
8MHZ
30S
F04
F74
PR4
10S
/RVA
LS08
/RVAS
30S
F04
RVAS
30R
RWN
ALS32
/RWS
30R
/UDS
ALS32
/WEU
/RWS
30R
/LDS
ALS32
/WEL
30P
A23
/AS
LS138
A16
A15
A14
/RVF
RWN
A13
A12
A4
A3
A2
A1
/LATCHE
/RESE
/320RE
J3-11
J3-9
J3-8
J3-7
R23 1K
R22 1K
R24 1K
R21 1K
C17 .1
C18 .1
C19 .1
C20 .1
C24 .1
C23 .1
C22 .1
C21 .1
10H
LS244B
D15
D14
D13
D12
TD15
CMPOUT
PR2
/SWITCHES
/CMPRD
J3-2
J3-1
J3-6
J3-5
J3-4
J3-3



ATARI

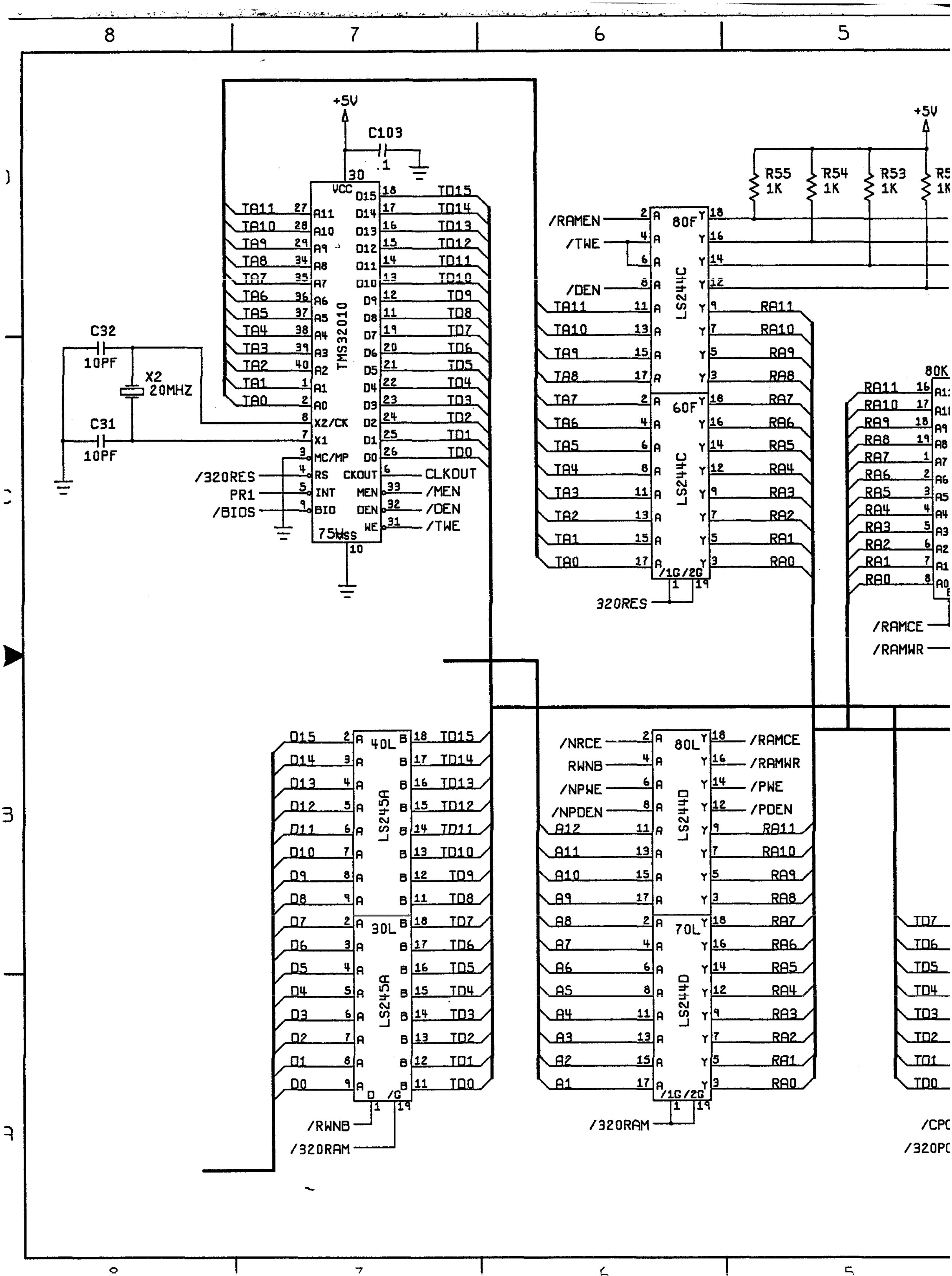
ATARI GAMES CORP.
675 SYCAMORE DRIVE
MILPITAS, CA. 95035

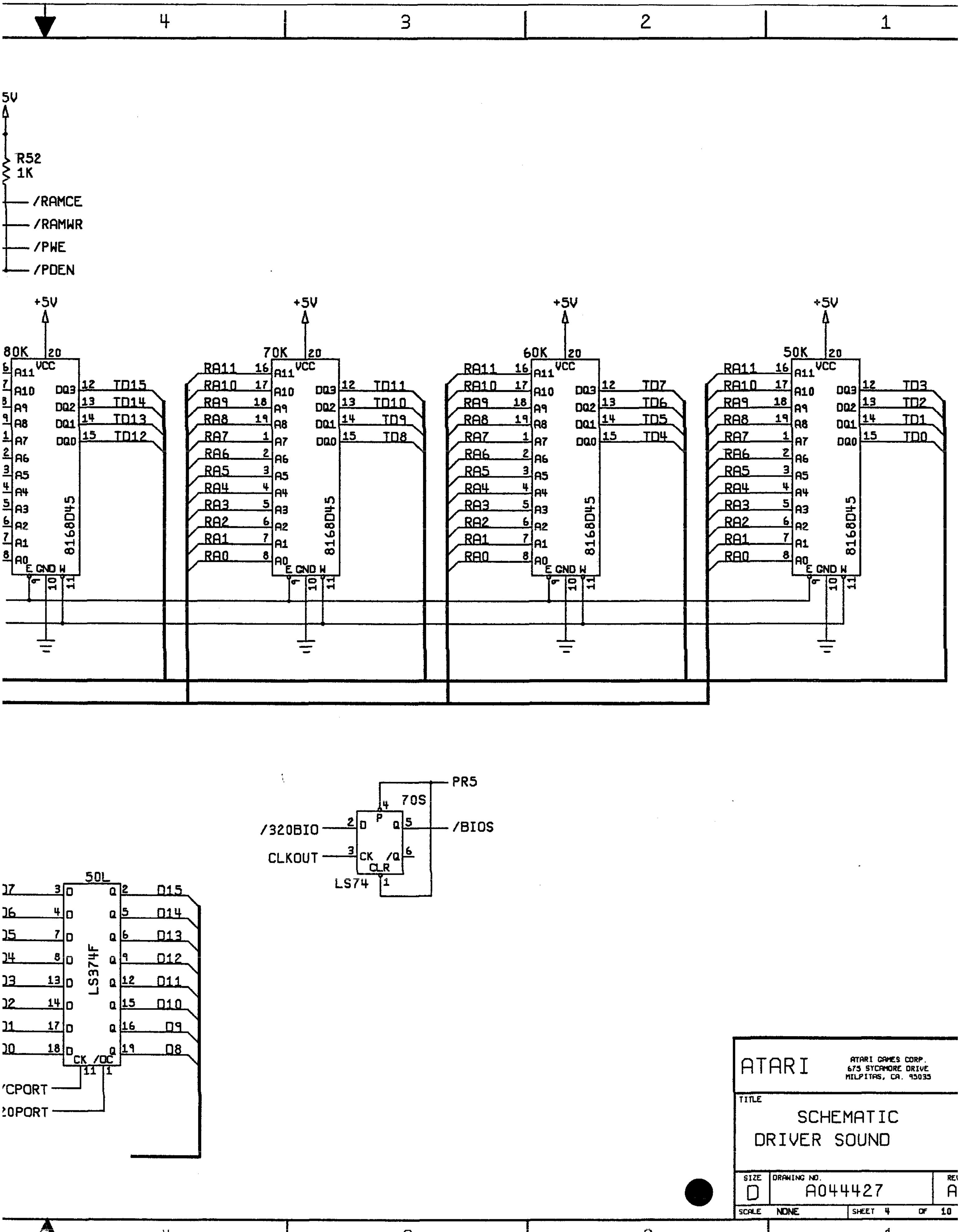
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SCHEMATIC
DRIVER SOUND

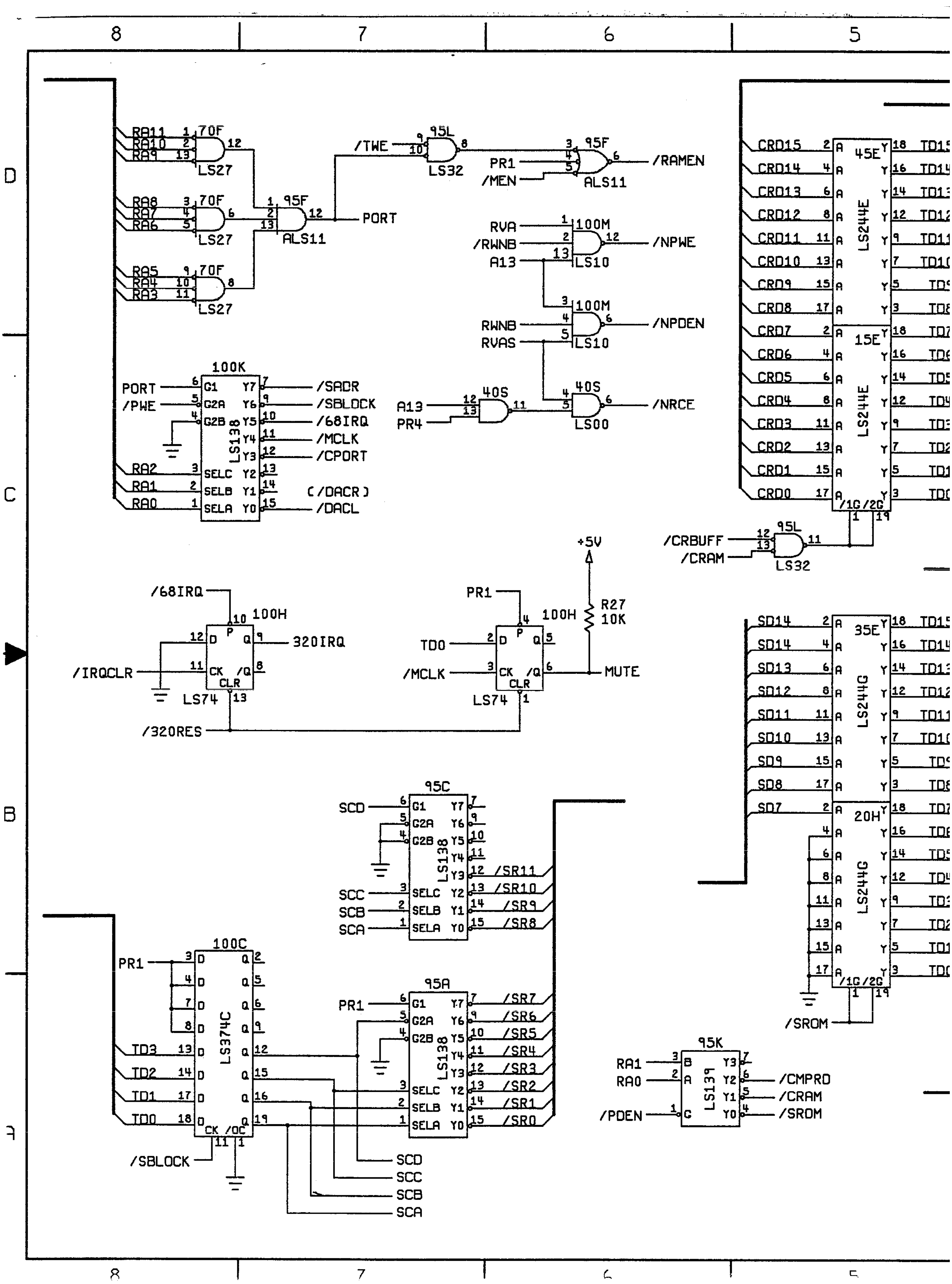
SIZE	DRAWING NO.	REV
D	A044427	A

SCALE NONE SHEET 3 OF 10

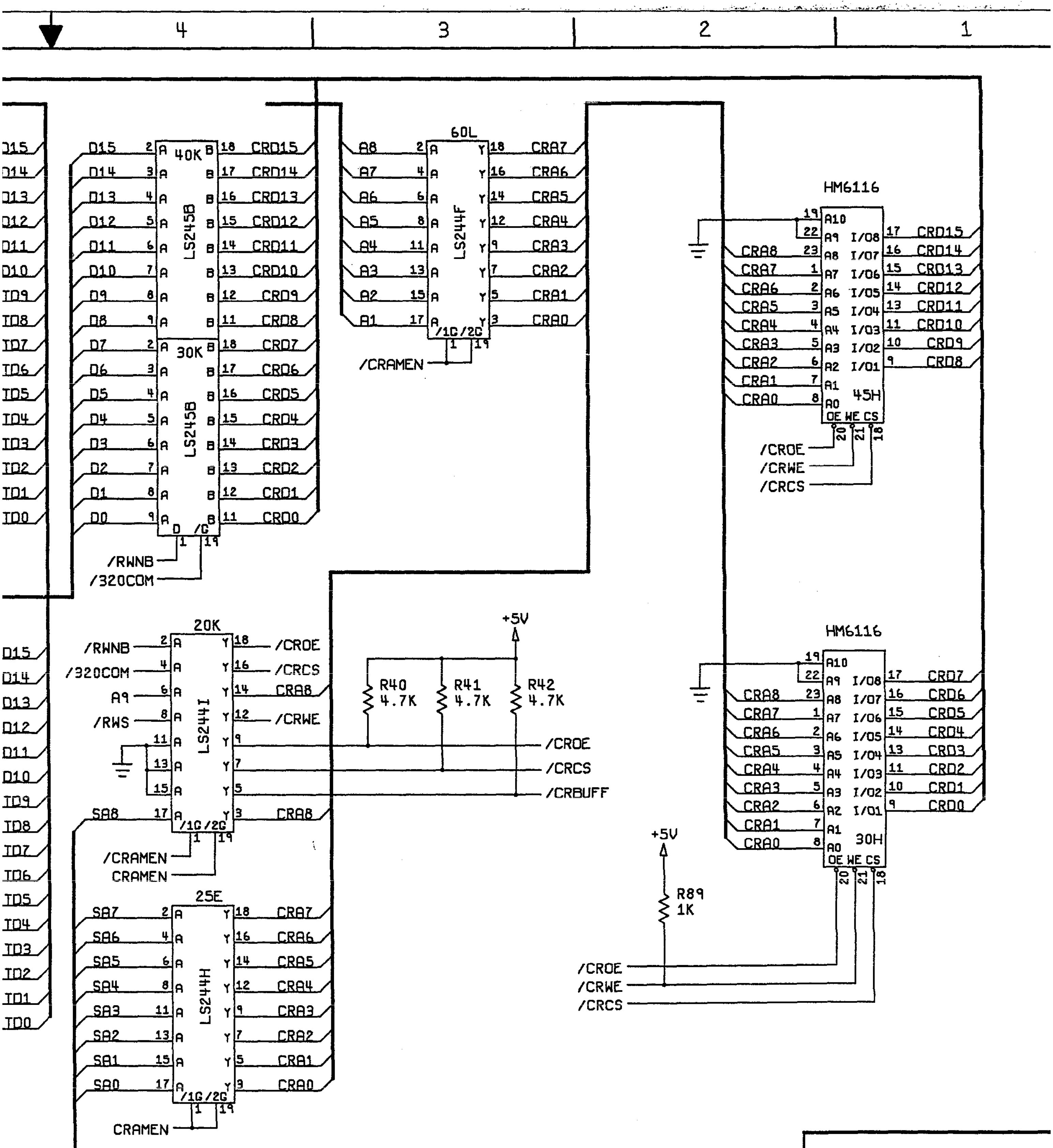

8
7
6
5
+5V
C103
.1
30
VCC
TMS32010
TA11 TA10 TA9 TA8 TA7 TA6 TA5 TA4 TA3 TA2 TA1 TA0
A11 A10 A9 A8 A7 A6 A5 A4 A3 A2 A1 A0
D15 D14 D13 D12 D11 D10 D9 D8 D7 D6 D5 D4 D3 D2 D1 D0
TD15 TD14 TD13 TD12 TD11 TD10 TD9 TD8 TD7 TD6 TD5 TD4 TD3 TD2 TD1 TD0
C32
10PF
X2
20MHZ
C31
10PF
X2/CK
X1
MC/MP
/320RES
RS
CKOUT
CLKOUT
PR1
INT
MEN
/MEN
/BIOS
BIO
DEN
/DEN
WE
/TWE
75Vss
10
R55 1K
R54 1K
R53 1K
/RAMEN
/TWE
/DEN
80F
LS244C
60F
LS244C
RA11 RA10 RA9 RA8 RA7 RA6 RA5 RA4 RA3 RA2 RA1 RA0
/1G/2G
320RES
80K
/RAMCE
/RAMWR
40L
LS245A
30L
LS245A
/RWNB
/320RAM
/NRCE
RWNB
/NPWE
/NPDEN
80L
LS244D
/RAMCE
/RAMWR
/PWE
/PDEN
A12 A11 A10 A9 A8 A7 A6 A5 A4 A3 A2 A1
70L
LS244D
/320RAM
TD7 TD6 TD5 TD4 TD3 TD2 TD1 TD0
/CPC
/320PC



4 3 2 1
5V
R52
1K
/RAMCE
/RAMWR
/PWE
/PDEN
+5V
80K
70K
60K
50K
VCC
8168D45
RA11 RA10 RA9 RA8 RA7 RA6 RA5 RA4 RA3 RA2 RA1 RA0
A11 A10 A9 A8 A7 A6 A5 A4 A3 A2 A1 A0
DQ3 DQ2 DQ1 DQ0
E GND W
TD15 TD14 TD13 TD12
TD11 TD10 TD9 TD8
TD7 TD6 TD5 TD4
TD3 TD2 TD1 TD0
PR5
70S
/320BIO
CLKOUT
/BIOS
LS74
50L
LS374F
D15 D14 D13 D12 D11 D10 D9 D8
CK /OC
/CPORT
20PORT
ATARI
ATARI GAMES CORP.
675 SYCAMORE DRIVE
MILPITAS, CA. 95035
TITLE
SCHEMATIC
DRIVER SOUND
SIZE D
DRAWING NO. A044427
REV A
SCALE NONE
SHEET 4 OF 10



8
7
6
5
D
C
B
A
RA11
RA10
RA9
70F
LS27
RA8
RA7
RA6
RA5
RA4
RA3
95F
ALS11
PORT
/TWE
95L
LS32
PR1
/MEN
/RAMEN
RVA
/RWNB
A13
100M
LS10
/NPWE
RWNB
RVAS
/NPDEN
40S
A13
PR4
LS00
/NRCE
100K
PORT
/PWE
LS138
RA2
RA1
RA0
/SADR
/SBLOCK
/68IRQ
/MCLK
/CPORT
(/DACR)
/DACL
CRD15
CRD14
CRD13
CRD12
CRD11
CRD10
CRD9
CRD8
CRD7
CRD6
CRD5
CRD4
CRD3
CRD2
CRD1
CRD0
45E
15E
LS244E
/CRBUFF
/CRAM
+5V
R27
10K
/68IRQ
100H
320IRQ
/IRQCLR
LS74
TD0
/MCLK
MUTE
/320RES
SD14
SD13
SD12
SD11
SD10
SD9
SD8
SD7
35E
20H
LS244G
/SROM
95C
SCD
SCC
SCB
SCA
/SR11
/SR10
/SR9
/SR8
100C
LS374C
TD3
TD2
TD1
TD0
/SBLOCK
95A
/SR7
/SR6
/SR5
/SR4
/SR3
/SR2
/SR1
/SR0
95K
LS139
RA1
RA0
/PDEN
/CMPRD
/CRAM
/SROM



ATARI

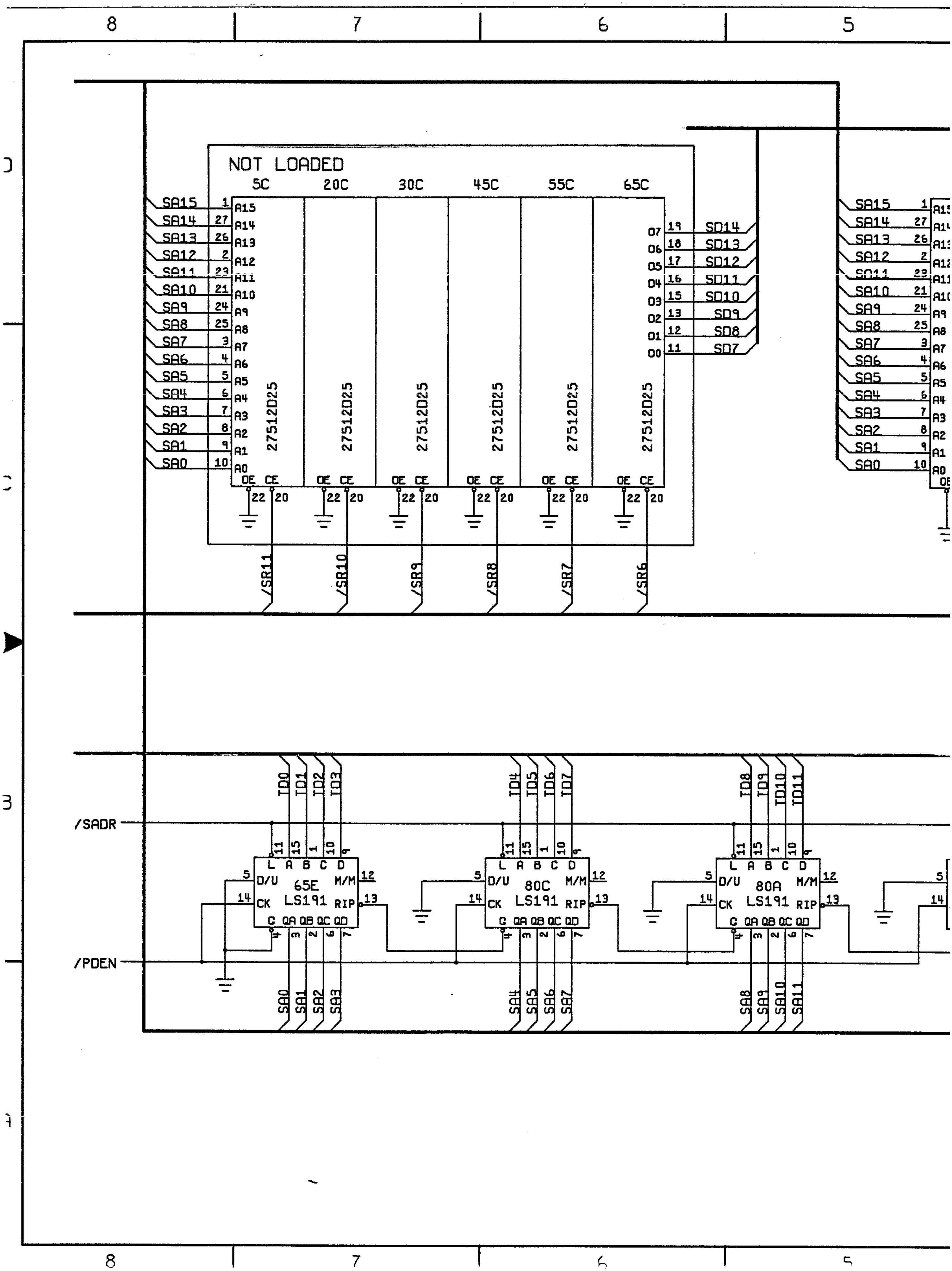
ATARI GAMES CORP.
673 SYCAMORE DRIVE
MILPITAS, CA. 95035

TITLE

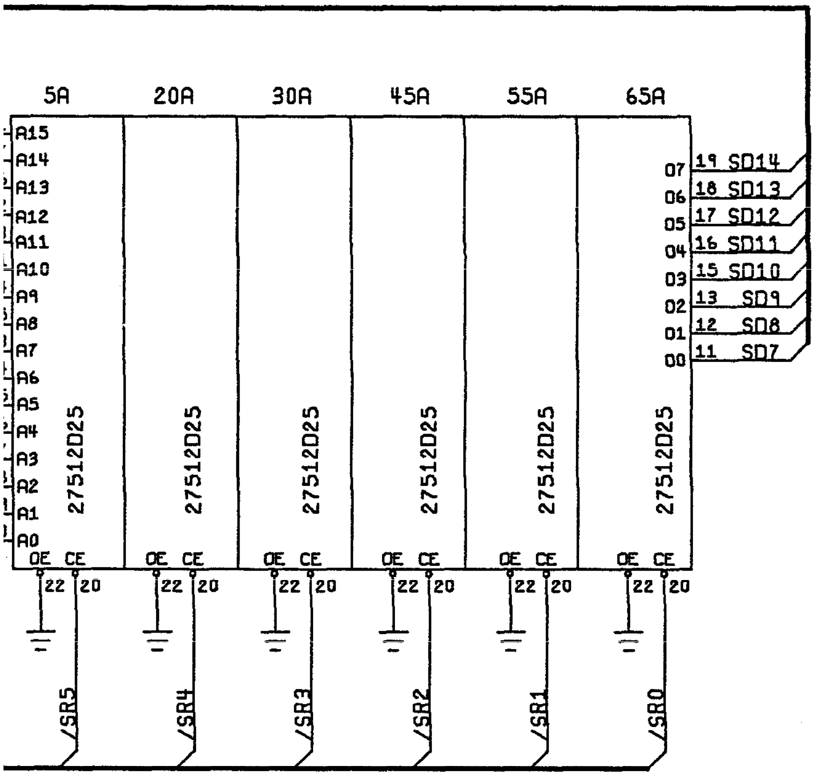
SCHEMATIC
DRIVER SOUND

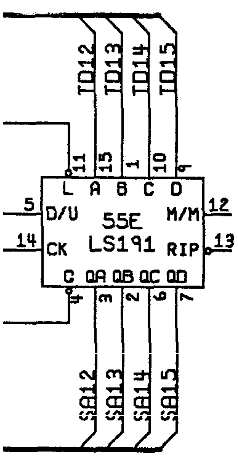
SIZE D | DRAWING NO. A044427 | REV A

SCALE NONE | SHEET 5 OF 10



8
7
6
5
NOT LOADED
5C
20C
30C
45C
55C
65C
27512D25
SA15
SA14
SA13
SA12
SA11
SA10
SA9
SA8
SA7
SA6
SA5
SA4
SA3
SA2
SA1
SA0
SD14
SD13
SD12
SD11
SD10
SD9
SD8
SD7
/SR11
/SR10
/SR9
/SR8
/SR7
/SR6
/SADR
/PDEN
TD0
TD1
TD2
TD3
TD4
TD5
TD6
TD7
TD8
TD9
TD10
TD11
65E
LS191
80C
LS191
80A
LS191
D/U
CK
M/M
RIP





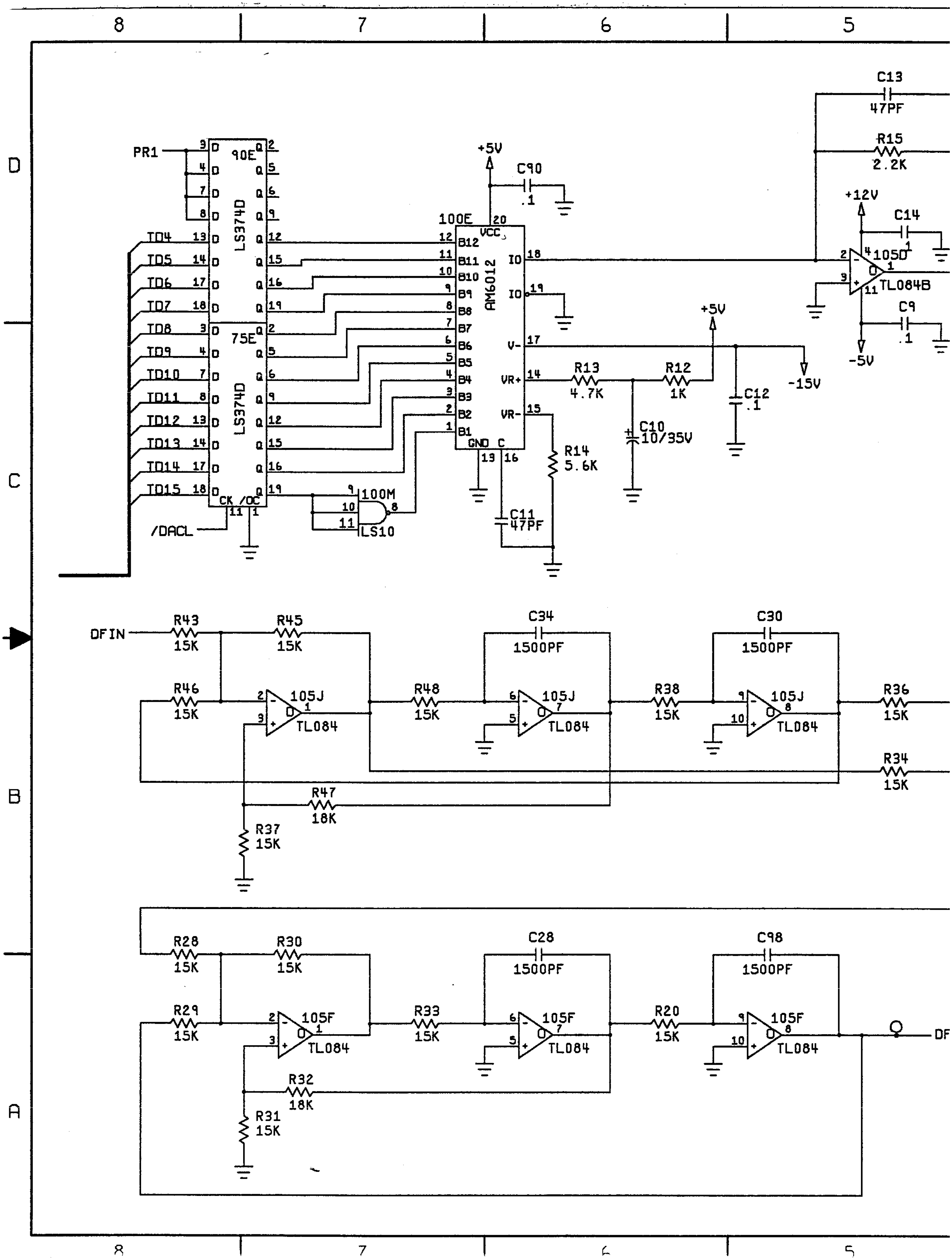
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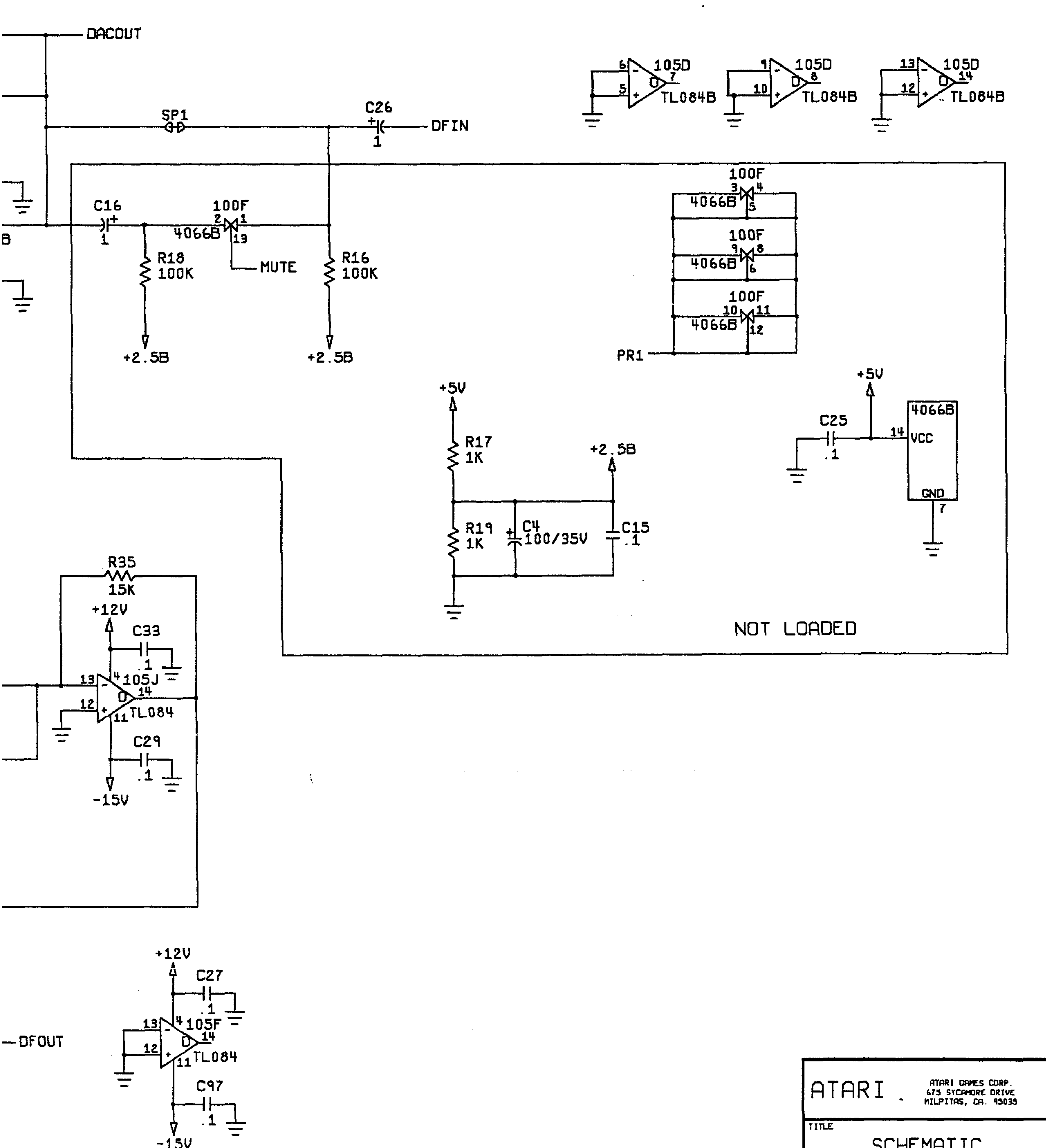
ATARI GAMES CORP.
675 SYCAMORE DRIVE
MILPITAS, CA. 95035

TITLE
SCHEMATIC
DRIVER SOUND

SIZE	DRAWING NO.	REV
D	A044427	A

SCALE NONE | SHEET 6 OF 10


8
7
6
5
D
C
B
A
PR1
90E
LS374D
75E
LS374D
TD4
TD5
TD6
TD7
TD8
TD9
TD10
TD11
TD12
TD13
TD14
TD15
CK /OC
/DACL
100M
LS10
+5V
C90
.1
100E
VCC
AM6012
B12
B11
B10
B9
B8
B7
B6
B5
B4
B3
B2
B1
GND
IO
V-
VR+
VR-
R13
4.7K
R12
1K
+5V
C12
.1
-15V
C10
10/35V
R14
5.6K
C11
47PF
C13
47PF
R15
2.2K
+12V
C14
.1
105D
TL084B
C9
.1
-5V
DFIN
R43
15K
R45
15K
R46
15K
105J
TL084
C34
1500PF
R48
15K
C30
1500PF
R38
15K
R36
15K
R34
15K
R47
18K
R37
15K
R28
15K
R30
15K
R29
15K
105F
TL084
C28
1500PF
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15K
R20
15K
C98
1500PF
R32
18K
R31
15K
DF

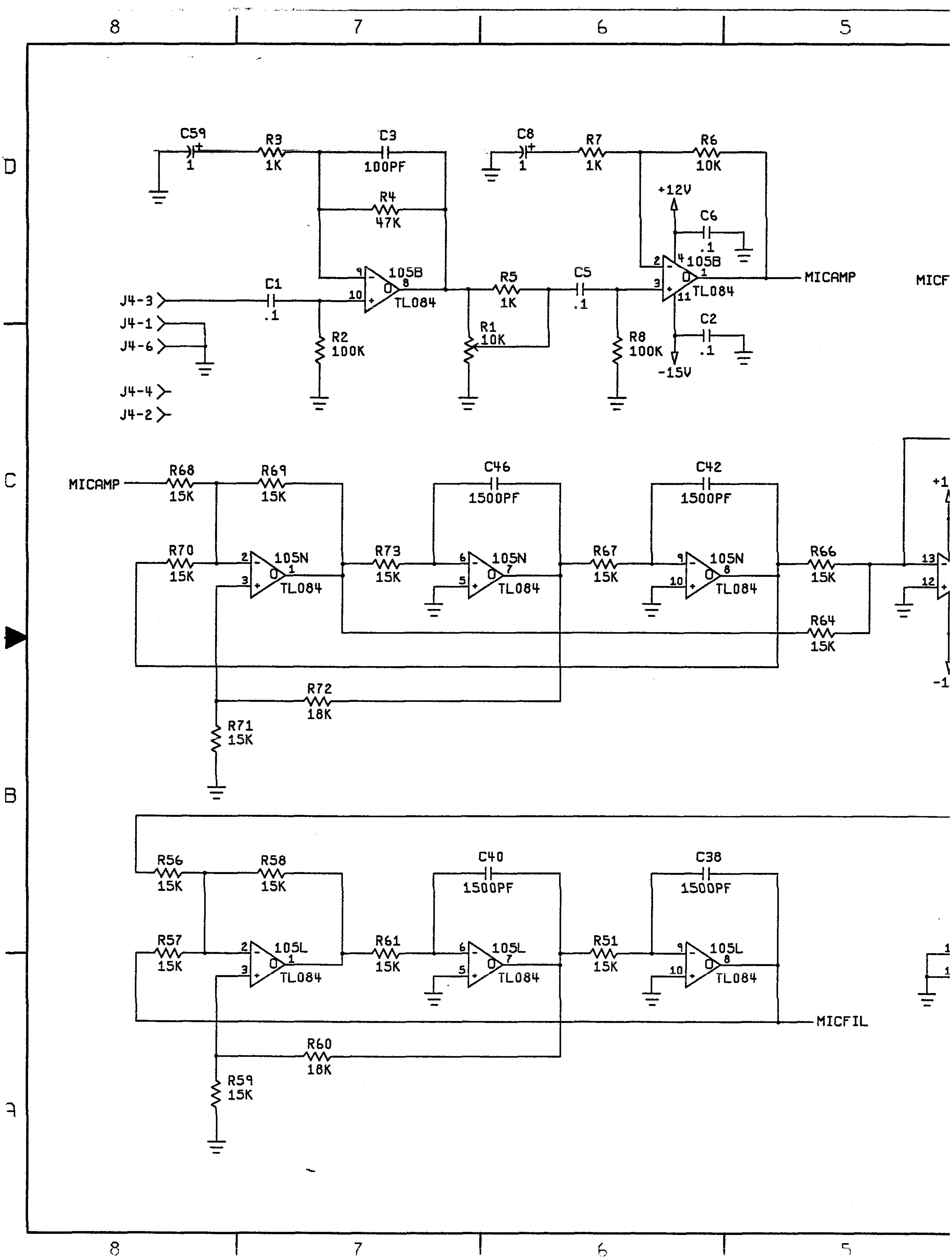


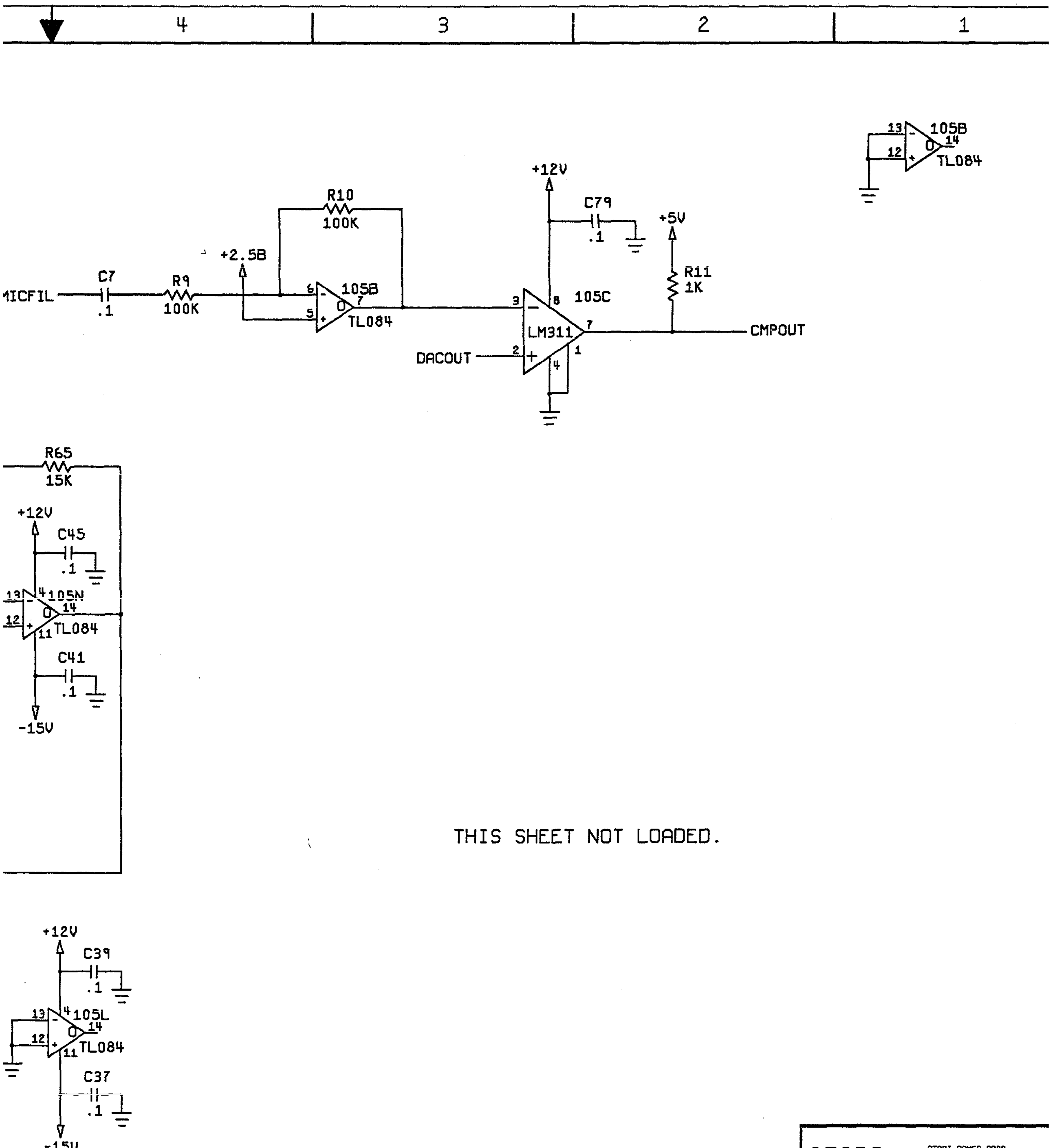
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675 SYCAMORE DRIVE
MILPITAS, CA. 95035

TITLE
SCHEMATIC
DRIVER SOUND

SIZE	DRAWING NO.	REV
D	A044427	A

SCALE NONE | SHEET 7 OF 10


8
7
6
5
D
C
B
A
C59
1
R3
1K
C3
100PF
R4
47K
C8
1
R7
1K
R6
10K
+12V
C6
.1
105B
TL084
MICAMP
MICF
J4-3
J4-1
J4-6
J4-4
J4-2
C1
.1
R2
100K
R5
1K
R1
10K
C5
.1
R8
100K
C2
.1
-15V
MICAMP
R68
15K
R69
15K
C46
1500PF
C42
1500PF
R70
15K
105N
TL084
R73
15K
R67
15K
R66
15K
R64
15K
R72
18K
R71
15K
R56
15K
R58
15K
C40
1500PF
C38
1500PF
R57
15K
105L
TL084
R61
15K
R51
15K
MICFIL
R60
18K
R59
15K



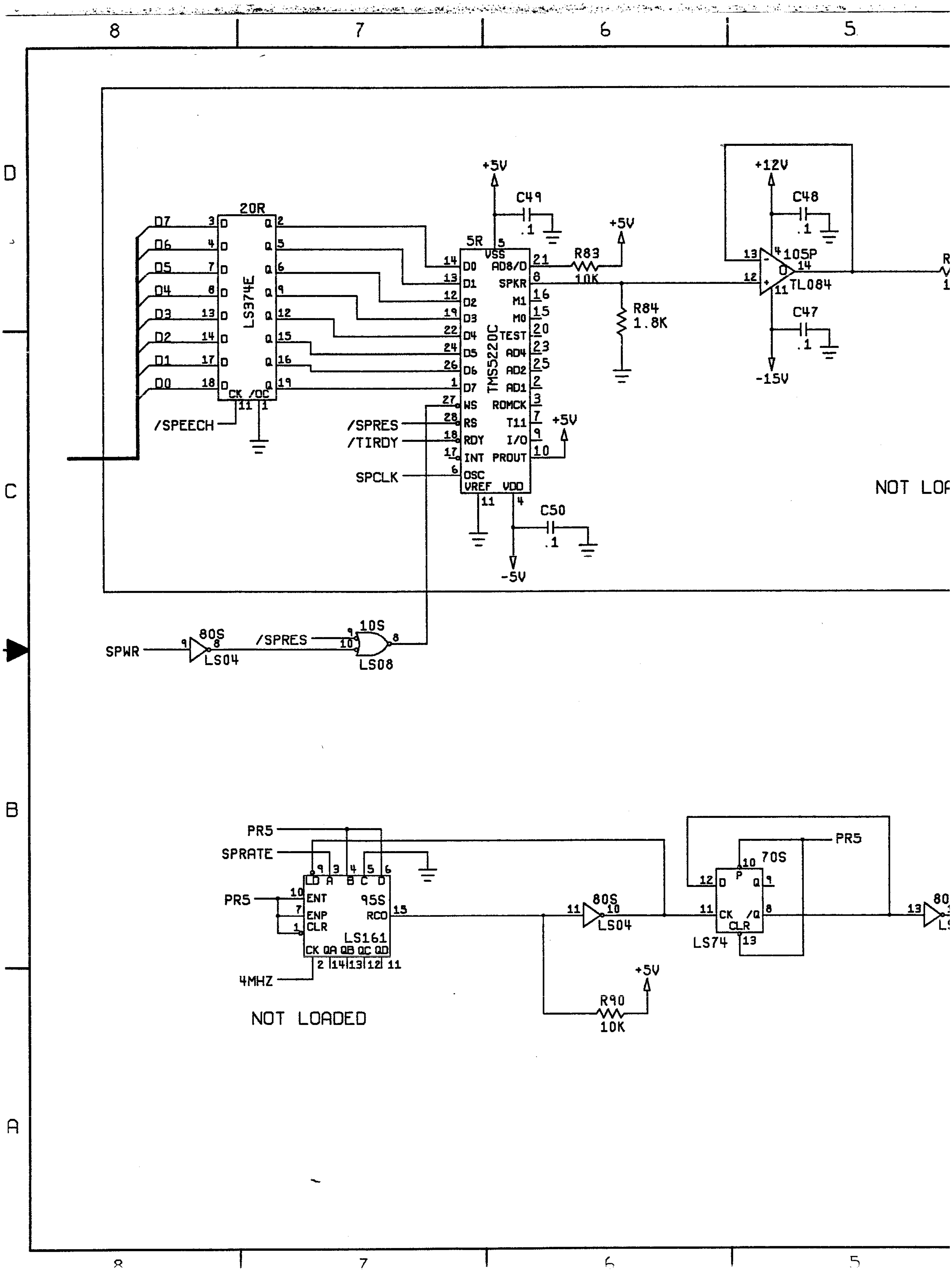
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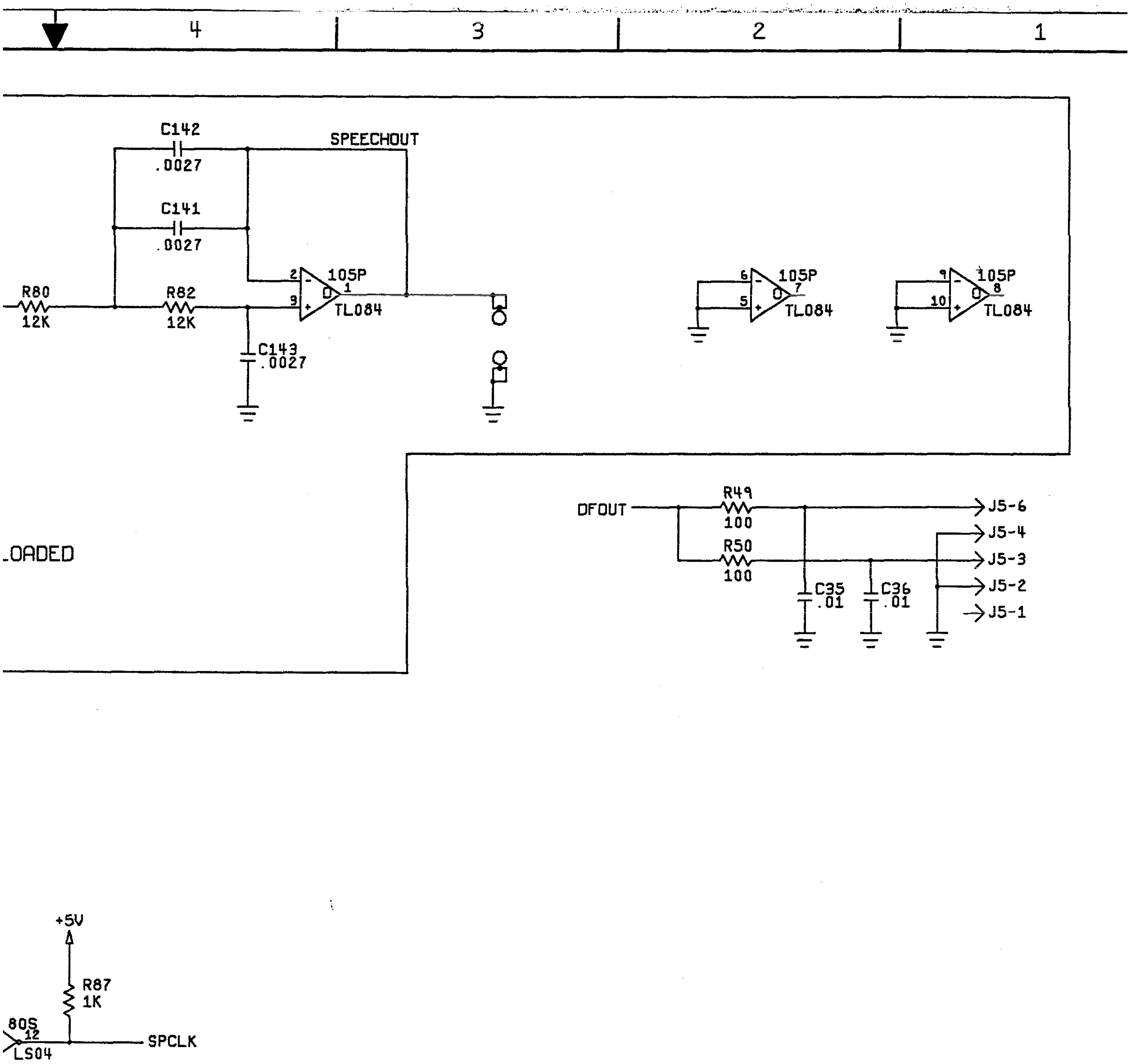
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675 SYCAMORE DRIVE
MILPITAS, CA. 95035

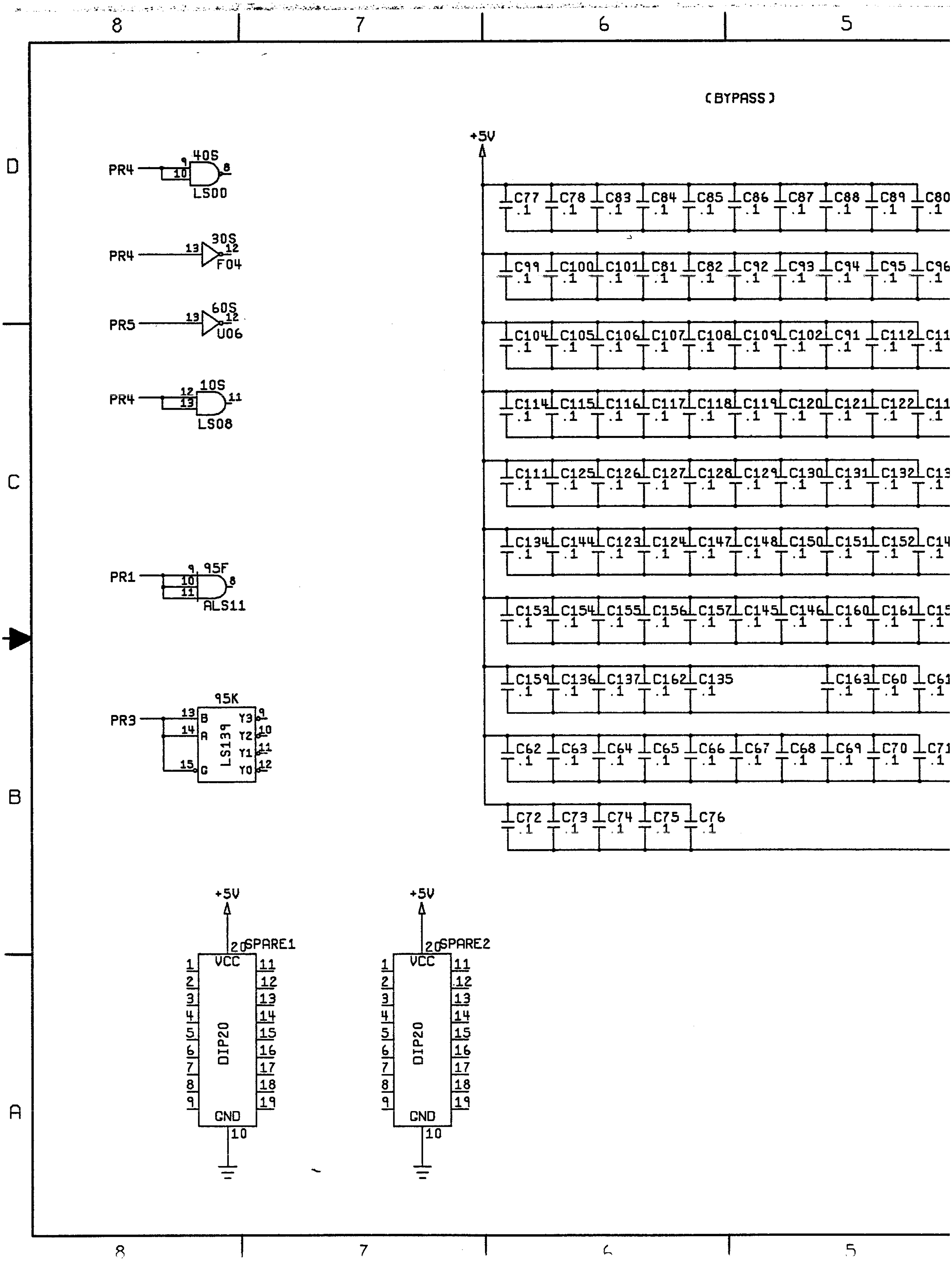
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SCHEMATIC
DRIVER SOUND

SIZE	DRAWING NO.	REV
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SCALE NONE	SHEET 8 OF 10	

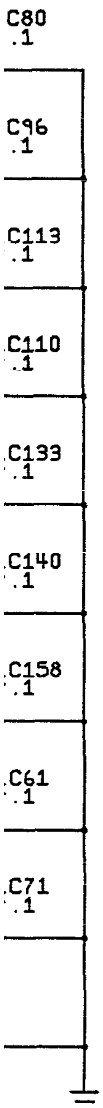

8
7
6
5
D
C
B
A
D7
D6
D5
D4
D3
D2
D1
D0
20R
LS374E
/SPEECH
+5V
C49
.1
5R
TMS5220C
R83
10K
+5V
R84
1.8K
+12V
C48
.1
105P
TL084
C47
.1
-15V
/SPRES
/TIRDY
SPCLK
+5V
C50
.1
-5V
NOT LOADED
SPWR
80S
LS04
/SPRES
10S
LS08
PR5
SPRATE
PR5
95S
LS161
4MHZ
NOT LOADED
80S
LS04
+5V
R90
10K
70S
LS74
PR5



ATARI	ATARI GAMES CORP. 675 SYCAMORE DRIVE MILPITAS, CA. 95035	
TITLE: SCHEMATIC DRIVER SOUND		
SIZE: D	DRAWING NO.: A044427	REV: A
SCALE: NONE	SHEET 9 OF 10	



(BYPASS)
+5V
PR4
40S
LS00
30S
F04
PR5
60S
U06
10S
LS08
PR1
95F
ALS11
PR3
95K
LS139
SPARE1
SPARE2
DIP20
VCC
GND
C77 C78 C83 C84 C85 C86 C87 C88 C89 C80
C99 C100 C101 C81 C82 C92 C93 C94 C95 C96
C104 C105 C106 C107 C108 C109 C102 C91 C112
C114 C115 C116 C117 C118 C119 C120 C121 C122
C111 C125 C126 C127 C128 C129 C130 C131 C132
C134 C144 C123 C124 C147 C148 C150 C151 C152
C153 C154 C155 C156 C157 C145 C146 C160 C161
C159 C136 C137 C162 C135 C163 C60
C62 C63 C64 C65 C66 C67 C68 C69 C70
C72 C73 C74 C75 C76



ATARI

ATARI GAMES CORP.
675 SYCAMORE DRIVE
MILPITAS, CA. 95035

TITLE

SCHEMATIC
DRIVER SOUND

SIZE	DRAWING NO.	REV
D	A044427	A

SCALE NONE | SHEET 10 OF 10